



What are the Lower Gorge (Zones 2 & 3) Alternatives?

	Current	2	3	Preferred	Hualapai
	1	2	3	4	5
	Diamond Creek Launches (maximum group size)				
Noncommercial	Maximum of two launches per day (16 people each)	Same as alternative 1	Same as alternative 1	Same as alternative 1	Same as alternative 1
Hualapai River Runner (HRR) Day Trips	Average of one launch per day (up to 100 people)	Peak season: three launches per day (30 people) Non-peak season: one launch per day (30 people)	Peak season: three launches per day (30 people) Non-peak season: two launches per day (30 people)	Peak season: variable (40 people), not to exceed 96 passengers/day. Non-peak season: two launches per day (35 people)	Same as alternative 4
HRR Overnight Trips	Average of one trip per week (34 people)	One trip per day (30 people)	Two trips per day (30 people)	Peak season: three trips per day (20 people) Non-peak season: one trip per day (20 people)	Same as alternative 4
Campsites					
Available Campsites	15	15+1	15+2	15+3	15+3
Modification of New Campsites*	N/A	Low	Medium	Low	Low
Quartermaster Area Dock					
Type of Dock	Two small floating docks (deteriorated)	None.	One small floating dock at RM 263**	Same as alternative 3**	One large floating dock at RM 263**
Pontoon Operations					
Maximum Daily Passengers†	Peak season: 188 Non-peak season: 160	0	400	150	960
Upriver Travel from Lake Mead					
Allowable Destination	Unlimited below Separation Canyon	Below RM 262	Below Separation Canyon	Below RM 260 during drought years, tow-outs below Separation Canyon during wet years	Below RM 273
Allowable Use	Unrestricted commercial pick-ups, tow-outs, and noncommercial jetboats	Commercial pick-ups: peak season — two per day; non-peak season — none	Four commercial pick-ups per day, year-round‡	Commercial pick-ups: peak season — four per day; non-peak season — one per day	Jetboat pick-ups and tow-outs below RM 273
		Tow-outs allowed below RM 262	Two jetboat tours per day in the peak season. Tow-outs allowed below Separation Canyon	Tow-outs below RM 260	

* Low — vegetation removal only; medium — vegetation removal and limited supply storage.
 ** Assumes removal of existing docks, and installation of a single dock at RM 262.5, contingent on full environmental compliance.
 † Passenger access and egress occurs via helicopter.
 ‡ Commercial pickups would be allowed to shuttle kayak trips up to RM 273.

What are the Impacts from the Lower Gorge Alternatives?



Cave and Paleontological Resources



Natural Soundscape



Air Quality



Water Quality



Soils



Vegetation



Terrestrial Wildlife



Aquatic Resources



Threatened, Endangered and Sensitive Species



Cultural Resources



Visitor Experience



Socioeconomics



Park Management and Operations



Adjacent Lands

Impact Comparisons for the Lower Gorge Alternatives

Beneficial: Major Moderate Minor Negligible Adverse: Major Moderate Minor

Impact Topic	Current	2	3	Preferred	Hualapai
	1	2	3	4	5
Soils	Localized	Localized	Localized	Localized	Localized
Water Quality	Localized	Localized	Localized	Localized	Localized
Air Quality	Regional Human Health	Regional Human Health	Regional Human Health	Regional Human Health	Regional Human Health
Natural Soundscape	Localized	Localized	Localized	Localized	Localized
Cave and Paleontological	Localized	Localized	Localized	Localized	Localized
Vegetation	Localized	Localized	Localized	Localized	Localized
Terrestrial Wildlife	Regional/Local	Regional/Local	Regional/Local	Regional/Local	Regional/Local
Aquatic Resources	Regional/Local	Regional/Local	Regional/Local	Regional/Local	Regional/Local
T & E Species	Regional/Local	Regional/Local	Regional/Local	Regional/Local	Regional/Local
Cultural Resources	Localized	Localized	Localized	Localized	Localized
Visitor Experience	Regional/Local	Regional/Local	Regional/Local	Regional/Local	Regional/Local
Socioeconomic Resources	Localized	Localized Hualapai	Localized Hualapai	Localized Hualapai	Localized Hualapai
Park Management and Operations	Regional/Local	Regional/Local Safety/Resource Management	Regional/Local	Regional/Local Park Management	Regional/Local Park Management
Adjacent Lands	Negligible	Negligible	Negligible	Negligible	Negligible